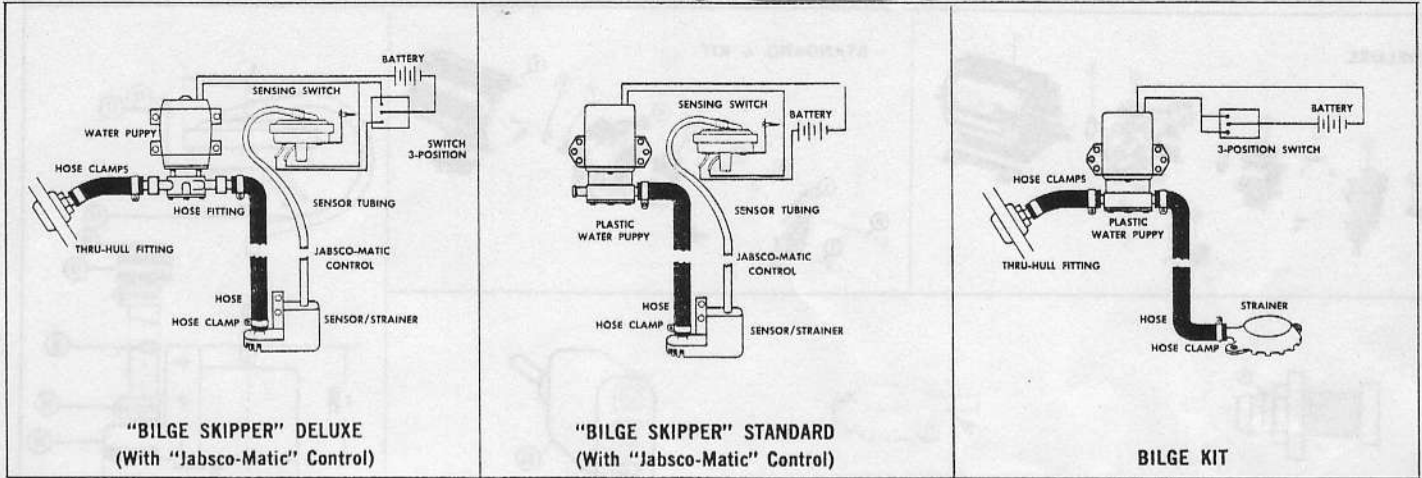


JABSCO

INSTALLATION INSTRUCTIONS

"BILGE SKIPPER" DELUXE "BILGE SKIPPER" STANDARD
 "JABSCO-MATIC" CONTROL BILGE KIT

14050
 - 14080
 14150 - 14180
 14550 - 14580



Instruction for:

| DELUXE | STANDARD |
|-----------------------------------|------------------------|
| Model 14150 6 volt DC | Model 14050 6 volt DC |
| Model 14160 12 volt DC | Model 14060 12 volt DC |
| Model 14170 24 volt DC | Model 14080 32 volt DC |
| Model 14180 32 volt DC | |
| "JABSCO-MATIC" CONTROL Model 8571 | |

The Jabsco "Bilge Skipper" deluxe and "Bilge Skipper" standard are automatic devices that actuates, when water in the bilge rises above a pre-set level

"Jabsco-Matic" Control-Principle of Operation

As water rises in the bilge, air entrapped within the plastic sensor chamber is pushed up through the tubing actuating the diaphragm in the switch above. The pressure created by the compressed air closes the contact points of the switch and starts the pump. As the water is pumped out, the air pressure drops and shuts off the pump.

1. Remove all water from the bilge.
2. Use two wood screws to attach the sensor/strainer unit to the low point of the bilge.
3. Use two wood screws to attach the sensor/switch (may be mounted in any position) to the boat in a convenient dry place as close as possible to the sensor/strainer unit; however, high enough (1½' to 6' vertically) so it cannot be splashed or submerged.
4. Mount the Jabsco "Water Puppy" pump as close as convenient to the sensor/switch and away from the water. (Can be mounted in any position)
5. Slip one end of the small white plastic tubing securely over the small projecting nipple of the sensor/strainer unit. This connection must be air tight.
6. Cut the tubing to the required length and slip the end over the projecting metal nipple over the sensor/switch. This connection must be air tight. (Do not crimp the tubing with sharp bends.)
7. Slip two hose clamps over the large hose, insert a hose fitting, position a clamp and tighten. Attach this to the inlet port of the pump. Cut the hose to the required length (allowing sufficient length to avoid sharp bends) and push the hose over the large nipple of the sensor/strainer unit, position the clamp and tighten.

(Step 7 for standard unit.)

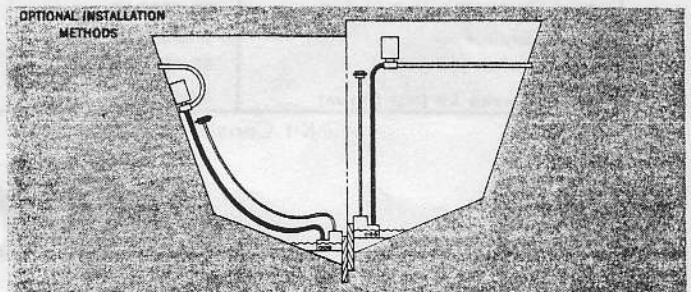
Slip two hose clamps over the large hose and push one end of the hose over the pump inlet port, cut the hose to the required length (allowing sufficient length to avoid sharp bends, and push the other end over the large nipple of the sensor/strainer unit, position clamps and tighten.

8. Connect discharge hose to pump outlet using the procedure outlined above.
9. Attach the other end of the discharge hose to the through-hull fitting. (Provided in deluxe kit only.)
10. Wire according to diagrams above being sure that the three (3) position switch is mounted with "momentary contact" in down position.

Instruction for:

| BILGE KIT |
|------------------------|
| Model 14550 6 volt DC |
| Model 14560 12 volt DC |
| Model 14580 32 volt DC |

1. Mount pump in any convenient location up out of the bilge.
2. Secure the bronze strainer to the lowest point in the bilge.
3. Secure the suction hose to the pump inlet and the bronze strainer using the clamps provided.
4. Secure the discharge hose to the discharge port of the pump and the through-hull fitting using the clamps provided.
5. When operating the bilge kit, do not leave the pump unattended when the switch is in the "permanent on" position as the pump may run dry when the bilge is empty of water. A Jabsco pump must never be run dry more than 30 seconds.

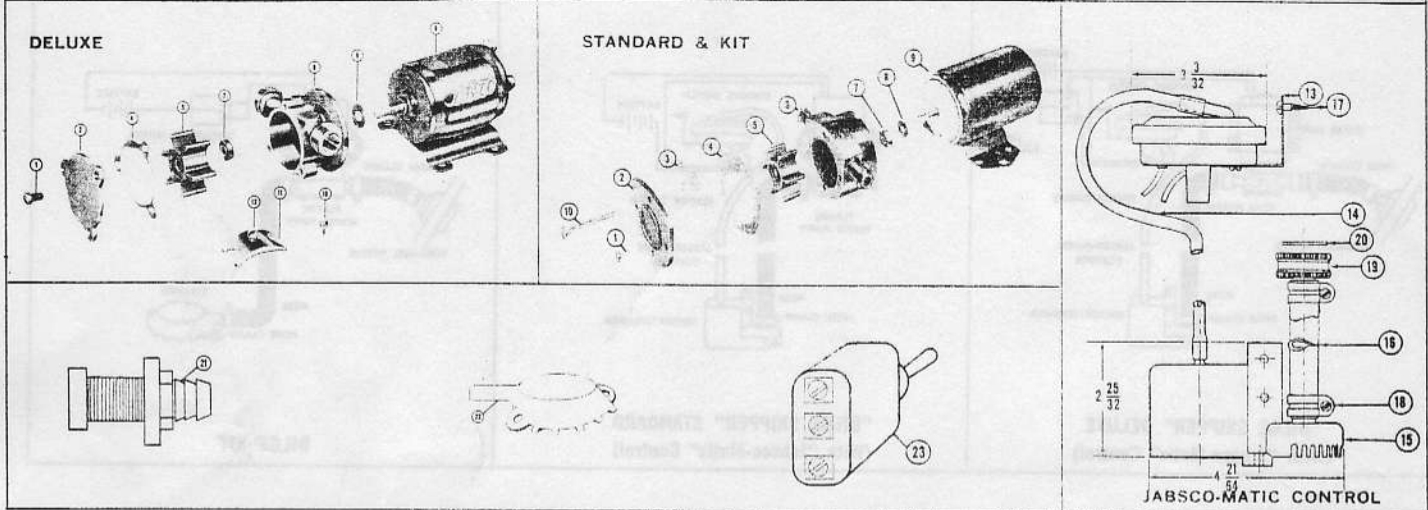


INSTALLATION INSTRUCTIONS

| | MINIMUM FUSE SIZE | | | |
|----------------|-------------------|---------|--------|--------|
| | 6V. | 12V. | 24V. | 32V. |
| Deluxe | 15 amp. | 9 amp. | 5 amp. | 5 amp. |
| Standard & Kit | 25 amp. | 15 amp. | 9 amp. | 7 amp. |

CAUTION
Use only multi-strand copper wire in size recommended. **DO NOT** use ordinary lamp cord or other substitutes.

| Connection Length Between Battery and Motor | MINIMUM WIRE SIZES | | | |
|---|--------------------|-------|-------|-------|
| | 6 V. | 12 V. | 24 V. | 32 V. |
| 1-10 ft. | ≧8 | ≧14 | ≧16 | ≧16 |
| 11-20 ft. | ≧6 | ≧12 | ≧16 | ≧16 |
| 21-30 ft. | Not Rec. | ≧10 | ≧12 | ≧16 |



PARTS LIST

| KEY | DESCRIPTION | PART NO. "DE LUXE" | QTY. REQ. | PART NO. "STANDARD" | QTY. REQ. | PART NO. "BILGE KIT" | QTY. REQ. |
|-----|-------------------------|---|-----------|---|-----------|---|-----------|
| 1 | Screws (End Cover) | SP 1004-09 | 3 | SP 1014-02 | 2 | SP 1014-02 | 2 |
| 2 | End Cover | 6355 (6 volt) 6365 (12 volt) 6375 (24 volt) 6385 (32 volt) | 1 | 12555 | 1 | 12555 | 1 |
| 3 | Wearplate | ----- | --- | 12557 | 1 | 12557 | 1 |
| 4 | Gasket | 1985-01 | 1 | 12558 | 1 | 12558 | 1 |
| 5 | Impeller | 6303-37 | 1 | 6303-37 | 1 | 6303-37 | 1 |
| 6 | Body | 6944 | 1 | 12554 | 1 | 12554 | 1 |
| 7 | Seal | SP 3000-10 | 1 | SP 2700-91 | 1 | SP 2700-91 | 1 |
| 8 | Slinger | 6342 | 1 | 6342 | 1 | 6342 | 1 |
| 9 | Motor | SP 8012-01 (6 volt) SP 8012-02 (12 volt) SP 8012-03 (24 volt) SP 8012-04 (32 volt) | 1 | SP 3004-89 (6 volt) SP 3004-86 (12 volt) SP 3004-88 (32 volt) | 1 | SP 3004-89 (6 volt) SP 3004-86 (12 volt) SP-3004-88 (32 volt) | 1 |
| 10 | Screw (Body to motor) | SP 1053-12 | 2 | SP 1014-01 | 2 | SP 1014-01 | 2 |
| 11 | Cam | 2907 | 1 | ----- | --- | ----- | --- |
| 12 | Cam Screw | SP 1002-01 | 1 | ----- | --- | ----- | --- |
| 13 | Sensing Switch | SP 7090-02 | 1 | SP 7090-02 | 1 | ----- | --- |
| 14 | Sensor Tube | SP 3003-05 | 1 | SP 3003-05 | 1 | ----- | --- |
| 15 | Sensor / Strainer | 8540 | 1 | 8540 | 1 | ----- | --- |
| 16 | Hose | SP 3003-04 | 1 | SP 3003-04 | 1 | SP 3003-04 | 1 |
| 17 | Screw (Mounting) | SP 8022-02 | 4 | SP 8022-02 | 4 | SP 8022-02 | 2 |
| 18 | Clamp | SP 3002-09 | 4 | SP 3002-09 | 2 | SP 3002-09 | 4 |
| 19 | Hose Fitting | SP 3009-01 | 2 | ----- | --- | ----- | --- |
| 20 | Washer | SP 1613-03 | 2 | ----- | --- | ----- | --- |
| 21 | Fitting-Thru-Hull | SP 3009-09 | 1 | ----- | --- | SP 3009-09 | 1 |
| 22 | Strainer | ----- | --- | ----- | --- | 14555 | 1 |
| 23 | Switch (3-Position) | SP 6070-09 | 1 | ----- | --- | SP 6070-09 | 1 |
| 24 | Service Kit (Not Shown) | SK-61 | --- | SK-126 | --- | SK-126 | --- |

Kit Consists of impeller, gasket, seal and end cover screws.



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